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CLAIM 1-33. (CANCELLED)

34. A magnetic memory, comprising:  
magnetic memory cell including a sense layer having an easy axis;  
keeper structure for applying magnetic fields using exchange coupling  
to a pair of edge regions of the sense layer that force magnetizations in the  
edge regions to have a substantially similar direction which is substantially  
perpendicular to the easy axis of the sense layer, the keeper structure having a  
proximity to the sense layer which provides a flux closure path between the  
edge regions.
35. The magnetic memory of claim 34, wherein the flux closure path  
between the edge regions prevents overall magnetization in the sense layer  
from straying from parallel and antiparallel orientations with respect to the  
easy axis of the sense layer.

36. The magnetic memory of claim 34, wherein the keeper structure has an easy axis which is substantially perpendicular to the easy axis of the sense layer.
37. The magnetic memory of claim 34, wherein the keeper structure has a U-shape including a pair of surfaces that overlap the edge regions and which are exchange coupled to the sense layer.
38. The magnetic memory of claim 34, wherein the keeper structure is formed from a permeable ferromagnetic material having an easy axis which runs along a length of the keeper structure in a direction substantially parallel to the edge regions.
39. The magnetic memory of claim 34, wherein the keeper structure encases a conductor that provides read and write access to the magnetic memory cell.
40. The magnetic memory of claim 34, further comprising a reference layer and a tunnel barrier between the sense layer and the reference layer of the magnetic memory cell.

- 41. The magnetic memory of claim 40, wherein the keeper structure is adjacent to the sense layer.**
- 42. The magnetic memory of claim 40, wherein the magnetic memory cell has substantially square outer dimensions.**

CLAIM 43-44. (CANCELLED)